

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule. **Yes**

Can the internal surfaces of the receivers be examined and cleaned **Yes** Is a drain fitted at the lowest part of each receiver **Yes**

High Pressure Air Receivers, No. / Cubic capacity of each / Internal diameter / thickness /

Seamless, lap welded or riveted longitudinal joint / Material / Range of tensile strength / Working pressure ^{by Rules} / _{Actual} /

Starting Air Receivers, No. Two Total cubic capacity **8.6 M³ each.** Internal diameter **1600 m/m** thickness **40 m/m**

Seamless, lap welded or riveted longitudinal joint **T.R.D.B.S Material Steel** Range of tensile strength **44-55 Kgs/cm²** Working pressure ^{by Rules} **46.8 Kg/cm²** _{Actual} **45.0**

IS A DONKEY BOILER FITTED? **Yes** If so, is a report now forwarded? **Yes**

Is the donkey boiler intended to be used for domestic purposes only **No.** Used for room heaters, tank heating coils &c.

PLANS. Are approved plans forwarded herewith for Shafting **5-6-36 & 6-7-36** Receivers **5-5-36** Separate Fuel Tanks **2-10-36**

(If not, state date of approval)

Donkey Boilers **27-8-36** General Pumping Arrangements **12-9-36** Pumping Arrangements in Machinery Space **12-9-37**

Oil Fuel Burning Arrangements / **SPARE GEAR.**

Has the spare gear required by the Rules been supplied **Yes**

State the principal additional spare gear supplied **See separate list, forwarded under separate cover.**

The foregoing is a correct description,
[Signature]
 NAGASAKI WORKS, LTD. KAGOSHIMA KAISHA.
 GENERAL MANAGER Manufacturer.

1936: June 4, 5, 12, 18, 23, 24, 29, 30 July 1, 4, 10, 13, 20, 22, 27, 29 Aug 1, 4, 6, 7, 11, 12, 13, 14, 17, 18, 20, 21, 24, 26, 27, 28, 31 Sep 1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 14, 18, 19, 22, 26, 28 Oct 1, 5, 6, 12, 13, 14, 15, 16, 19, 20, 22, 24, 26, 27, 29 Nov 2, 4, 5, 6, 9, 11, 12, 13, 14, 16, 19, 21, 24 Dec 2, 3, 4, 7, 8, 9, 12, 14, 16, 18, 21, 22, 23, 24, 26, 29, 30: 1937, Jan 6, 8, 9, 12, 14, 15, 16, 18, 20, 21, 22, 25, 26, 27, 30 Feb 2, 5, 6, 9, 13, 16, 17, 19, 20, 23 Mar 1, 2, 3, 4, 9, 11, 15, 15, 23 Apr 5, 12, 13, 14, 16, 17, 20, 21, 26, 28 May 1, 6, 7, 8, 11, 14.

Dates of Survey while building { During progress of work in shops - - 17, 18, 20, 21, 24, 26, 27, 28, 31
 During erection on board vessel - - 8, 9, 12, 14, 16, 18, 21, 22, 23, 24, 26, 29, 30
 Total No. of visits **146.**

Dates of Examination of principal parts—Cylinders **14-10-36** Covers **16-10-36** Pistons / Rods **31-8-36** Connecting rods **25-7-37**
 Crank shaft **26-9-36** Flywheel shaft **6-10-36** Thrust shaft **6-10-36** Intermediate shafts **8-1-37** Tube shaft /
 Screw shaft **21-1-37** Propeller **12-1-37** Stern tube **20-1-37** Engine seatings / Engines holding down bolts **16-2-37**

Completion of fitting sea connections **28-1-37** Completion of pumping arrangements **20-4-37** Engines tried under working conditions **26-4-37**

Crank shaft, Material **Ingot steel** Identification Mark **IR No. 1469 & 1469-A** Flywheel shaft, Material **Ingot steel** Identification Mark **IR No. 1481.**
 Thrust shaft, Material **Ingot steel** Identification Mark **See Flywheel shaft** Intermediate shafts, Material **Ingot steel** Identification Marks **IR No. 1598.**
 Tube shaft, Material / Identification Mark / Screw shaft, Material **Ingot steel** Identification Mark **IR No. 1614.**

Is the flash point of the oil to be used over 150° F. **Yes**

Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with **Yes**

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo **Yes** If so, have the requirements of the Rules been complied with **Yes**

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with /

Is this machinery duplicate of a previous case If so, state name of vessel /

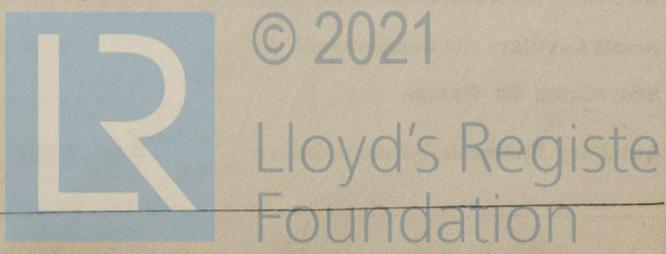
General Remarks (State quality of workmanship, opinions as to class, &c.)

This machinery has been constructed under Special survey in accordance with the Rules & Approved plans. The materials have been tested, found efficient and the workmanship throughout is good. Full load, overload and governor tests carried out on test bed connected to Dynamometer with satisfactory results, afterwards all parts opened up examined and found good. The machinery was afterwards efficiently installed on board, tested under full working conditions, manoeuvring (12 stops & starts), slow speed (38-40 R.p.m), and full astern, with satisfactory results. A mean speed on trial of 16.22 knots was obtained on light draught at 135 r.p.m.

This case is eligible in our opinion to have the record of **LMC, 5-37** in the Register B

The amount of Entry Fee £ **6-0-0** : When applied for,
 Special ... £ **146-3-9** : **20. 5** 19 **37**
 Donkey Boiler Fee ... £ : : When received,
 Air receivers £ **10-10-0** : **10. 6** 19 **37**
 Travelling Expenses (if any) £ : :
 Committee's Minute
 Assigned + LMC 5, 37 *[Signature]* 12/16

[Signature]
 Engineer Surveyor to Lloyd's Register of Shipping.



Certificate (if required) to be sent to
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)